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| FORM PTO-1449                                    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>MNFRAME.032A                           | APPLICATION NO.<br>08/942,005 |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT |  | RECEIVED<br>OCT 1 1999<br>U.S. PATENT AND TRADEMARK OFFICE |                               |
| (USE SEVERAL SHEETS IF NECESSARY)                |  | APPLICANT<br>CHARI, ET AL.                                 | JAN 16 1999<br>GROUP<br>2700  |
|  |  | FILING DATE<br>October 1, 1997                             |                               |
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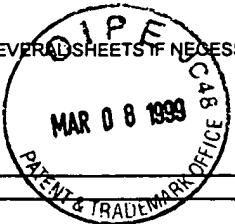
| U.S. PATENT DOCUMENTS |                   |          |                 |       |          |                              |
|-----------------------|-------------------|----------|-----------------|-------|----------|------------------------------|
| EXAMINER INITIAL      | DOCUMENT NUMBER   | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| S. J.                 | 5,261,044         | 11/09/93 | Dev et al.      | 345   | 357      |                              |
| S. J.                 | 5,576,946         | 11/19/96 | Bender et al.   | 364   | 146      |                              |
|                       | 5,651,006 1/22/97 | 06/05/66 | Fujino et al.   | 370   | 408      |                              |
|                       | 5,751,575         | 05/12/98 | Hirosawa et al. | 364   | 188      | 07/20/95                     |
|                       | 5,754,426         | 05/19/98 | Dumais          | 364   | 188      | 12/29/95                     |
|                       | 5,761,085         | 06/02/98 | Giorgio         | 702   | 333      | 11/12/96                     |
|                       | 5,761,429         | 06/02/98 | Thompson        | 395   | 200.54   | 11/16/95                     |
|                       | 5,764,911         | 06/09/98 | Tezuka et al.   | 395   | 200.53   | 02/12/97                     |
|                       | 5,764,913         | 06/09/98 | Jancke et al.   | 395   | 200.54   | 04/05/96                     |
| ↓                     | 5,774,667         | 06/30/98 | Garvey et al.   | 395   | 200.52   | 03/27/96                     |

| FOREIGN PATENT DOCUMENTS |                 |      |         |       |          |             |
|--------------------------|-----------------|------|---------|-------|----------|-------------|
| EXAMINER INITIAL         | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
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| EXAMINER   | S. J. (ph) J. J. J. | DATE CONSIDERED | 7/22/99 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |                     |                 |         |

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| • FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  | ATTY. DOCKET NO.<br>MNFRAME.032A | APPLICATION NO.<br>08/942,005 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT              |  | APPLICANT<br>Chari, et al.       |                               |
| (USE SEVERAL SHEETS IF NECESSARY)  |  | FILING DATE<br>October 1, 1997   | GROUP<br>2758                 |
|  |  | RECEIVED<br>MAR 12 1999          |                               |
|  |  | Group 2700                       |                               |



## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |   | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|------------------|---|-----------------|----------|-----------------|-------|----------|------------------------------|
| S.J.             | A | 5,671,441       | 09/23/97 | Glassen et al.  |       |          |                              |
| S.J.             | B | 5,678,042       | 10/14/97 | Pisello et al.  |       |          |                              |
| S.J.             | C | 5,787,246       | 07/28/98 | Lichtman et al. |       |          |                              |
|                  |   |                 |          |                 |       |          |                              |
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## FOREIGN PATENT DOCUMENTS

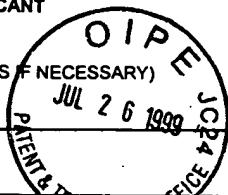
| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |  |
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| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT |  |  |  | APPLICANT<br>Chari, et al.       |                               |
| (USE SEVERAL SHEETS IF NECESSARY)                             |  |  |  | FILING DATE<br>October 1, 1997   | GROUP<br>2760-2154            |



## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |   | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|------------------|---|-----------------|----------|----------------|-------|----------|------------------------------|
| S.J.             | 1 | 4,999,787       | 03/12/91 | McNally et al. | 364   | 514      | 07/15/88                     |
| S.J.             | 2 | 5,386,567       | 01/31/95 | Lien et al.    | 395   | 700      | 10/14/92                     |
|                  | 3 | 5,546,595       | 08/13/96 | Norman et al.  | 395   | 800      | 12/21/93                     |
|                  | 4 | 5,758,103       | 05/26/98 | Oh             | 395   | 283      | 08/30/96                     |
|                  | 5 | 5,768,541       | 06/16/98 | Pan-Ratzlaff   | 395   | 283      | 06/15/95                     |
|                  | 6 | 5,784,576       | 07/21/98 | Guthrie et al. | 395   | 283      | 10/31/96                     |
|                  | 7 | 5,838,319       | 11/17/98 | Guzak et al.   | 345   | 340      | 07/01/97                     |
|                  | 8 | 5,901,304       | 05/04/99 | Hwang et al.   | 395   | 500      | 03/13/97                     |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
|------------------|--|--|
| S.J.             | 9  | IBM Technical Disclosure Bulletin, 35(2): 69-74, July 1992,<br>"Serial Channel Synchronizer" |
| S.J.             | 10   | IBM Technical Disclosure Bulletin, 39(7): 229-230, July 1996,                                |

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| S.J.     | 9/22/99         |

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| (USE SEVERAL SHEETS IF NECESSARY)                |  |  |  | FILING DATE<br>October 1, 1997   | GROUP<br>2758  |  |                               |

| U.S. PATENT DOCUMENTS |  |                 |          |                 |       |          |                              |
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| EXAMINER INITIAL      |  | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| S.J.                  |  | 5,340,340       | 08/23/94 | Hastings et al. | 439   | 64       |                              |
| S.J.                  |  | 5,487,148       | 01/23/96 | Komori et al.   | 395   | 182.02   |                              |
|                       |  | 5,491,796       | 02/13/96 | Wanderer et al. | 395   | 200.09   |                              |
|                       |  | 5,652,892       | 07/29/97 | Ugajin          | 395   | 750      |                              |
|                       |  | 5,655,081       | 08/05/97 | Bonnell et al.  | 395   | 200.32   |                              |
|                       |  | 5,684,945       | 11/04/97 | Chen et al.     | 395   | 182.18   | 04/16/96                     |
|                       |  | 5,689,637       | 11/18/97 | Johnson et al.  | 395   | 182.22   | 07/05/96                     |
|                       |  | 5,745,897       | 04/28/98 | Perkins et al.  | 707   | 101      | 11/21/94                     |
|                       |  | 5,812,750       | 09/22/98 | Dev et al.      | 395   | 182.02   | 03/27/97                     |
|                       |  | 5,826,046       | 10/20/98 | Nguyen et al.   | 395   | 309      | 12/30/94                     |
|                       |  | 5,913,037       | 06/15/99 | Spofford et al. | 395   | 200.56   | 07/03/96                     |
| W                     |  | 5,922,051       | 07/13/99 | Sidey           | 709   | 223      | 05/14/97                     |

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| EXAMINER INITIAL         |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
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| EXAMINER   | Selch Naji | DATE CONSIDERED | 9/22/99 |
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